PAY ORE AND BARREN ZONES

These Alternate in the Le Roi, War Eagle and Centre Star Mines at Rossland.

WATERLOO IS LOOKING WELL.

Van Anda Has Changed Hands—Sales of and Quotations on Mining Stocks.

The following is from The Rossland Miner:

The practical completion of the new ore shipping process, by means of machinery from the Le Roi mine, is, when understood in all its bearings, a wonderful piece of news for this camp. The expense of mining was last year $5.30 per ton extracted, including all expenses and development. This will now be reduced to $3.25 per ton, or a net saving on the old cost of $2.05. As the mine was paying on the old cost upwards of 15 per cent., it will be gathered that from the newer figures a far better interest will be able to be paid. Also it will now be possible to get a reasonable profit out of even $8 rock.

It is apparent that the saving on mining expenses has now gone as far as it can well go with the class of rock prevailing in this camp. The next step is to reduce the smelter charge. Under the present circumstances the product of the smelter, the matte, contains 50 per cent. of impurities. On the impurities, as on the metal itself, a heavy freight rate is charged on its journey to the East. If this freight charge could be cut out by the establishment of a refinery in the Kootenays, say at Bonnington Falls, which is claimed by experts in the question as a feasible proposition, a great reduction could be made in this direction. This would mean that properties such as the Mascot, which possesses immense quantities of low-grade ore, would immediately jump to the front as shipping mines of some magnitude.

In conjunction with the statement made by the management of the Le Roi that the expense of mining will be so materially reduced, it is interesting to learn that the abnormal rates which prevailed on the Centre Star during the past year will also be reduced to a figure which will be below that of the LeRoi rate of $5.30. These abnormal rates were caused by the extra amount of development which had to be accomplished to make up for development work previously left undone. Sellers of the Centre Star were not concerned to develop the property; they were concerned to prove the existence of an ore chute. This was done. To work that chute an expensive shaft had to be sunk and levels driven in every direction to explore the limits of the body of ore available for shipping purposes. This expense was further increased by development thru a barren zone in the pay shoot, such a zone as exists in every mine of any size. The limits of this barren zone have been located, and the pay shoot for a depth of a couple of hundred feet beyond has been found and is being opened up. Therefore there is at the present time a large reserve of ore which, conservatively stated, without reckoning anything above the 450-foot level, cannot fall short of 100,000 tons. If one level is capable of putting out 300 tons of ore daily for a year, it will be sufficient during that year to keep up the shipment to that mark in the year to come to drive another level from the first. The cost of driving that level development will be added to the cost of stoping in the upper level to get the total mining expense. Should, however, the level newly developed prove to be in a barren part of the ledge, another level will have to be driven at a point yet lower to get below the barren point. Thus the cost of development would be doubled, and if a report had to be made by the management at the time of discovery of the barrenness, he would be obliged to state that there was no ore reserve, for, altho confident that the ledge would again fill with pay ore at a point lower down, he would first have to go down to that point before he could say that he had discovered it. This is, in general, the condition of the Centre Star.

Turning to the War Eagle. A barren zone, such as described at the Centre Star, was also located here between the fourth and the sixth levels. There were two good and parallel veins discovered and exploited on the first to third levels. These pinched out to a great extent, and a moan went up that the bottom had fallen out of the mine. As a matter of fact, on the seventh level both ore bodies were found, and, in addition, a third ore body has cropped up between the two. The eighth level found yet another ore body between the new one found on the seventh level and the north vein. Outside of the south vein was found yet another pay shoot. Thus at depth the ore bodies found on the surface have been more than doubled in size. The mine has been shipping from the ore obtained on the eighth level, and it is found to be of a fair average value, equal to anything in the mine. Contiguous to the War Eagle is the Poorman, with a payshoot of ore which is supplying half of the tonnage shipped from the LeRoi No. 2, and which runs in value up to $30 a ton, as per the shipping averages of December last. This pay shoot is only partly situated within the Poorman, and a great portion of it is existent upon the War Eagle, but up to the present has been unproved. Thus it is probable with depth and the experience of the neighboring mines of the Iron Mask and Nickel Plate only bear this out, that as depth is gained a more and more solid ore shoot will be found.

An attempt made lately to mix up the share transactions of the Le Roi subsidiary properties with the intrinsic value of the mines is distinctly asinine. There being no treasury stock to sell and a certain sum set aside for development on incorporation, the value of the shares will not affect the property, tho the reverse is certainly the case. The properties, as shown last week, are in first-class condition, and only need smelter facilities to promptly yield good return.

Good News From Waterloo.

Camp McKinney, B.C., Feb. 15.—(Special).—The Waterloo mine is turning out to be a splendid property. Until recently little information had been obtainable, owing to the instructions from the head office of the company at Spokane not to give out anything until the showing in the mine would justify it. Now shareholders will rejoice to learn that the mine never looked better and never had the showing of quartz and values it has at this date. To-day the correspondent of The World, thru the courtesy of Superintendent A. W. Boyd, was allowed to examine the mine. Since Mr. Boyd took charge of the property on Nov. 12, he has devoted his efforts to opening up new ore bodies. A winze has been sunk from the west drift, at a point 150 feet from the main shaft. This winze started on about 16 inches of ore and was sunk 60 feet, the ore gradually widening until at the bottom it was six feet solid. From the bottom of the winze a 15-foot incline was continued in ore to the west, when instructions came from Spokane to open up a second level, by drifting east. These instructions were followed, and the east drift is now in 20 feet, with a full breast of ore. Superintendent Boyd submitted the following results of average assays, taken at different depths in the winze. The values are in gold and silver—$19.40, $24.40, $388, $10.60 and the last, taken from the bottom of the winze, $40.75. Returns of recent samplings from the face of the new drift had not been received from Spokane and were unobtainable.

The ore taken from these new workings has been stored in the No. 1 level. The east drift for a distance of 75 feet is choked full of quartz, and 80 feet west from the collar of the shaft is also full of ore. Never before in the history of the property has the vein been so large and maintained such a uniform width of from five to six feet. Early in the spring, when water is available, a resumption of milling will take place, and by then the mine will be opened up sufficiently to warrant a continuous running, this time perhaps with a chance of paying dividends.

Godenrath.

Van Anda Changes Hands.

The Coast Miner, Texada Island, B.C., on Feb. 5 had the following: The English company takes over the Van Anda property to-day. Work in the mines will be suspended for about 10 days. The last pay day of the old company was on Monday, Feb. 4.

Toronto Mining Exchange.

	Morning. Ask.	Bid.	Afternoon. Ask.	Bid.
B.C. Gold Fields	3½	2½	3	2½
Black Tail	12	9	12	9
Brandon & G.C.	8	4	8	4
Canadian G.F.S.	7½	6½	7½	6¾
Cariboo McKinney	41	38	41½	37
Caribou Hydraulic	160	140	165	150
Centre Star	118	100	120	100
Crow's Nest	76	60	70	60
California	5	4⅜	6	4½
Deer Trail	3	2⅜	3½	2⅜
Evening Star	7	6¼	7½	6
Fairview Corp	3¼	3	3½	3
Golden Star			2¼	1¼
Giant	4½	3½	4½	3¼
Granby Smelter	47	43	47	43
Iron Mask	42	34	42	35
Knob Hill	60	45	60	45
Montreal-London	5½	4½	5½	3
Morning Glory	8	7	9	6¼
Morrison	8¼	7¼	8¼	7½
Noble Five	3¾	2½	3¾	2½
North Star	89½	87	89	85
Old Ironsides	78	65	80	60
Olive	12	10¼	12	10
Payne	50	47	50	46
Rambler Cariboo	32	30	32	30
Republic	45	44½	45½	44½
Slocan Sovereign	6⅝	3	7	4
Sullivan	14	13	14	13
Virtue	30	25	30	25
War Eagle	61	55	61	55
Waterloo	3¾	3½	3¾	3
White Bear	4⅞	4¾	4⅞	4¾
Winnipeg	5¼	4	5¼	4

Morning sales: White Bear, 500, 500, 500, 500, 500, 500 at 4¾, 500 at 4⅞. (B. 30 days; 1000, 1000 at 5); Cariboo McKinney, 500 at 43½, 500 at 40; Republic, 1000, 1000, 1000 at 45. Total sales, 9500 shares.

Afternoon sales: White Bear, 1000 at 4⅞; California 500 at 5; Morrison, 5000 at 8; Deer Trail, 10,000 at 3; B.C.G.F., 600 at 2¾. Total sales, 18,100 shares.

Montreal Mining Exchange.

Montreal, Que., Feb. 21.—Morning sales: Republic, 1000, 2000 at 44; Oregon, 1500 at 16¼; North Star, 500 at 87.

Afternoon sales: Payne, 1000 at 46½.

A Quick Passage.

Mr. S. J. Sharp, western manager Messrs. Elder, Dempster & Co., has advice that the royal mail steamer Lake Ontario arrived at Halifax at 2 o'clock yesterday afternoon, having made the passage in eight days. This is considered a remarkable passage in view of the extremely heavy weather experienced by incoming steamers during the past week.

S. Ackerman, commercial traveler, Belleville, writes: "Some years ago I used Dr. Thomas' Eclectric Oil for Inflammatory Rheumatism, and three bottles effected a complete cure. I was the whole of one summer unable to move without crutches, and every movement caused excruciating pains. I am now out on the road and exposed to all kinds of weather, but have never been troubled with rheumatism since. I, however, keep a bottle of Dr. Thomas' Oil on hand, and I always recommend it to others, as it did so much for me. ed

The Turkish Minister at Madrid has resigned because his salary has not been paid.

WHERE THERE'S SATISFACTION THERE'S HAPPINESS.

"SALADA"

CEYLON TEA

produces satisfaction in a fashion unrivalled by any other tea in the world.

HOW TO RUN THE FAIRS.

Special Attractions Increase the Receipts—Treasurer's Reports Are Generally Satisfactory.

The annual meeting of the Canadian Association of Fairs and Exhibitions was concluded yesterday afternoon. Mr. D. H. Price of Aylmer told the results of experiments at the East Elgin Fair in the way of special attractions and speeding. There were no immoral attractions allowed, and were the receipts and the attendance for both the receipts and the attendance had been increased, which went to show that the fair is patronized for its agricultural and educational merits.

President J. T. Murphy, in order to see what part amusements and speeding play at the annual fairs, put four questions to the meeting. Mr. C. C. James, Deputy Minister of Agriculture, urged the importance of the educational part of fairs, and stood for high-class amusements and attractions.

The treasurer's report showed the following figures: District Agricultural Society comparative statement: Receipts for 1899, $171,794; 1898, $168,270. Expenditures for 1899, $155,865; for 1898, $152,279. Balance for 1899, $14,428; for 1898, $15,990.

Township Agricultural and Horticultural Societies, comparative statement: Receipts for 1899, $252,333; for 1898, $255,288. Expenditures for 1899, $220,132; for 1898, $219,947. Balance for 1899, $32,199; for 1898, $35,741.

Mr. W. B. Sanders of Stayner asked for an expression of opinion on ladies' exhibits. Some ladies, he regretted to say, who exhibited at his show could not be trusted to comply with the regulations.

On a vote being taken it was shown that the majority of the delegates were in favor of the one-judge system in all classes at fairs.

The sum of $15 was voted to the Sick Children's Hospital and a resolution of condolence on the death of Queen Victoria was ordered to be sent to Lord Minto at Ottawa.

The election of officers resulted as follows: President, J. T. Murphy, Simcoe; 1st Vice-President, John Burns, Whitby; 2nd Vice-President, W. B. Sanders, Stayner; Secretary-Treasurer, Alex McFarlane, Otterville; Assistant Secretary and Editor of Reports, Prof. Creelman, Toronto; Executive Committee, James Mitchell, Goderich; J. W. Sheppard, Cayuga; George Robinson, Erin; S. McClure, Elder's Mills; D. H. Price, Aylmer; William Laidlaw, Guelph; F. Medcalf, Blyth. The Executive Committee met in the evening and appointed a sub-committee to deal with the recommendations contained in Mr. F. W. Hodson's paper read on Wednesday. The report will be presented at the next annual meeting to be held in this city in February, 1902.

The great lung healer is found in that excellent medicine sold as Bickle's Anti-Consumptive Syrup. It soothes and diminishes the sensibility of the membrane of the throat and air passages, and is a sovereign remedy for all coughs, colds, hoarseness, pain or soreness in the chest, bronchitis, etc. It has cured many when supposed to be far advanced in consumption. ed

Fire in the storage rooms of the American Linseed Oil Company, at Sioux City, Iowa, yesterday, caused a loss estimated at $250,000.

SCANDAL IN HIGH SOCIETY

Major Atherton of the Prince of Wales' Royal Lancers Enters Action for Divorce.

TROUBLE STARTED IN SOUTH AFRICA.

Duke of Westminster Named as the Co-Respondent—A Genuine Sensation.

London, Feb. 21.—Major T. J. Atherton, second in command of the 12th (Prince of Wales') Royal Lancers, now in South Africa, has filed a suit for divorce against his wife, Mabel Louisa Atherton, naming the Duke of Westminster as co-respondent.

With the announcement of the filing of the suit of "Atherton v. Atherton and Westminster," the long-anticipated divorce proceedings of Major Atherton against his wife, with the Duke of Westminster figuring in the role of co-respondent, have materialized. The case cannot be aired in court at any rate for some months, and possibly not before autumn, and the friends of the just-married Duke may yet succeed in compromising the matter and preventing a trial. But as Major Atherton is reported already to have refused a cheque for £40,000 as compensation for the injury he is said to have sustained, the task ahead of those who are trying to arrange a settlement would seem to be insuperable.

The petitioner in this sensational society scandal belongs to one of the crack cavalry regiments of the British army, the 12th (Prince of Wales') Royal Lancers.

Respondent a Stylish Woman.

The respondent, Mabel Louisa Atherton, is a sister of Sir Aubrey Paul, Bart. She married the major in 1892. They have one son, born in 1899. Mrs. Atherton is a good-looking, stylish woman, about 35 years old. She belongs to London's smart set. Mrs. Atherton was at the Modder River camp with other women, when Dr. Treves denounced the "plague of women" at the front in South Africa. The Duke of Westminster, then Lord Belgrave, and the brother of a well-known South African millionaire, whose name also has been mentioned with that of Mrs. Atherton, were at the same camp. For a long time Major Atherton remained in ignorance of the camp gossip, but eventually some of his brother officers notified him of the facts in the case. Mrs. Atherton returned to England in October and stopped off at the Island of Madeira. There she took passage on a steamer which was taking the Duke of Westminster home. Arriving in London Nov. 3. Since the return of Mrs. Atherton the Grosvenor family (the Duke's name is Hugh Richard Arthur Grosvenor) has been engaged in an attempt to prevent the case getting into the courts.

It is said that the evidence which will be presented, if the case reaches court, is of such a character that no defence can be offered, and that it must resolve itself into a question of compensation.

The Duke of Westminster was married at St. Paul's Church, Knightsbridge, London, Feb. 16, to Miss Shelagh West, daughter of Col. William Cornwallis West.

Doctors Who Study the Skin

Agree that nothing is more beneficial than the pure Campana's Italian Balm—the great restorer and preserver of beauty to face, neck, arms and hands, 25c bottle, at most drug stores, or 786 Yonge. 135

An Open Meeting.

The annual oratory contest of the University College Literary and Scientific Society will take place this evening in the Students' Union Hall, at 8 o'clock. The meeting will be open.

TO CURE A COLD IN ONE DAY.

Take Laxative Bromo Quinine Tablets. All druggists refund the money if it fails to cure. 25c. E. W. Grove's signature is on each box. 135

REVIVAL AND REVOLUTION IN IRISH WHISKEY

E. & J. BURKE'S

OLD IRISH WHISKEY

Especially suitable for those who do not like strong flavored whiskeys. The extreme softness, mellowness and fine character are produced by age and high quality. 15

FOR SALE BY ALL LEADING GROCERS AND WINE MERCHANTS.

JOHN HOPE & CO., MONTREAL, - Agents for Canada.

THE ALES AND STOUT OF THE

Toronto Brewing & Malting Co. LIMITED

Are preferred by all who appreciate quality in ale and best bottling.

ANY DEALER. - - - WORTH A TRIAL

Central Prison Binder Twine

Having been appointed agents for Central Prison Binder Twine, we are prepared to quote dealers

By the Carload
By the Ton
By the 100 Weight

Before buying, get our quotations and get in on the ground floor.

THOS. MEREDITH & CO.,

156 King St. E., Toronto. 25

DR. W. H. GRAHAM (Late of 198 King St. West

No. 1 Clarence-square, corner Spadina-avenue, Toronto, Canada, treats Chronic Diseases, and makes a specialty of Skin Diseases, as Pimples, Ulcers, Etc.

Private Diseases as Impotency, Sterility, Varicocele, Nervous Debility, etc. (the result of youthful folly and excess), Gleet and Stricture of Long Standing, treated by galvanism, the only method without pain and all bad after effects.

Diseases of Women—Painful, profuse or suppressed menstruation, ulceration, leucorrhoea and all displacements of the womb.

Office Hours—9 a.m. to 8 p.m. Sundays 1 to 3 p.m. 135

Want More Aid.

The Ontario Historical Society is urging on the Government the need of greater financial aid, and that there should be placed at the disposal of the association for the current year $3000 for printing and $1000 for memorial tablets.

Canadian Soldiers Invited.

Sydney, N.S.W., Feb. 21.—The Federal Cabinet has decided to invite Canada and New Zealand to send troops to the opening of the Federal Parliament.

Two Fast Trains, Toronto to New York.

Morning train at 9.45, reach New York 10 p.m. same day; evening train, 5.20, reach New York 8 a.m. following day. Through sleeper on latter train. Call up C.P.R. agent for full information. ed

Rev. Canon Mussen of Farnham, Quebec, rector of that parish, died yesterday, aged 68. He was a son of the late Thomas Mussen, a dry goods merchant of Montreal.

TRY ONE ON SUSPICION!

S. DAVIS & SONS'

Clear Havana Cigars

(CUBAN MADE.)

Retailed at 10c, 2 for 25c, 15c and 20c.